

Picture of a Honeywell Engineering Laboratory!

At the moment the cockpit of this B-36 is literally a test lab—to the Honeywell Service Engineer at right. He's flight-testing the Honeywell E-6 Autopilot that's standard equipment on the world's biggest bomber.

Every day at air fields across the country similar checks are conducted by our Aeronautical Service Engineers. These men also make operating tests on Honeywell Turbo-regulators, Electronic Puel Gauges and other equipment—in dozens of different kinds of aircraft. Based on data gathered in the air, our Service Engineers make recommendations to Honeywell's formance of Honeywell confuments.

Flight-testing controls represents just one phase of Honeywell's famous "follow through" program. Beginning in Honeywell's research laboratories, this program continues into aircraft plants where controls are engineered individually to each airplane model, goes on through flight testing and the training of Air Force maintenance crews. It ends only when the equipment is superseded by improved models.

We expect our staff of Service Engineers to grow larger in future years. Because automatic control is so important a part of aviation progress. And automatic control is Honeywell's business.

AERONAUTICAL DIVISION

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B.F.Goodrich



Easier way to fly a plane ...or fix one Zeroen cas be consided only either

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CONTROLS

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AIRCRAFT | Aviation Week

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service test of Ci-8 Job original in a recom summers. places to join the Flight Test Sect

IN THE NEWS **G-E FLIGHT TEST CENTER** FINDS ANSWERS IN THE SKY

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One of the biograph current programs, is on accolarated. Control Marries according to the serservice test of G-6 347 organic in a North American





Ad Hause, but, your manager of G-E's Avigino Divisions. New engines and components are tested thoroughly while since from the board key of a \$100. Here a \$67-G\$-23. semarful new set recently placed in production, is made punhase, equipment was tested in a moscolore rented ready in the Riging Test Red. New august costol, onto him and confine volume ware first primed and improved



A 8.29 is pushed along by a standard SC, specially in- proved in Service American Airlines owns, under contract struments of for test work. Many engine feetures and plot to G-E, perform all flight operations





Long distance when and radio-triuphones keep engineers In G.E's Abureft Gas Eurlane Divisions in Lynn, Macc., in the Test Center, tolks to Leva (200 miles cost) with the files are studied minutely to gate all possible informaphase to be left hand, and the 8:29 legal rules up) with that an aperation of the encirce.





Many types of servett are used. This \$.23 tested high. One of many projects at the Center has been a jet power abilitide turkampenthospen during the wor. Colon proc- plant for a developmental historipies. A 150-foot homi sample from turbon, developed on the alone, a now a served or o test pit for "Operation Systeck." Forest.











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Operating over 1,873 route poles, Piocett Alt with fast, dependable service, Ohviously, dependable envise performance is a "most" - sed But his not stone the high quality of Tensor Arrest Early Cit the supers Gorg perform

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TEXACO Lubricants and Fuels FOR THE AVIATION INDUSTRY

NEWS DIGEST

Residen B-10 being tested at Works-Further evaluation will depend on

New atomic shielding materials bear Mil. Charles E. Yesper, USAF, feet.

14 countries, now at the country under not world of \$135,600 to the first half Percent and coccedire along sources

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Three top USAF generals get new as-

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ACCESSORIES CORPORATION

SIDELIGHTS

➤ Negational Int week by Custon Wight

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WHO'S WHERE

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John H. Swete his been promoted to

play 7s Charles F. Frank has been designated and Haseld W. Pope Inn here made material Authoric Pers, resmony sono or on an dynamics based of MACAN Learner Labor

Hebert L Brown has been apposeded Harrid B. Robler and Pres F. Young have been experient to constant stores

On the Board

hoped of directors of Children's Eugenn Air

INDUSTRY OBSERVER

· Electrosics burn in the complicated assument output of the Boston social B-67 bomber are cowing touble. But Emerous Electric and western see. At latest report renewed-from posteritys causing of the medius pt bonker was still inspentive due to difficulties which layer here excepted in two autotides with the for control control

serviv Zwidov, fiel for receptoring suggest, designated HLK, to Mr. Force 1952, feed year estimates sail for consultance of \$279.4.

milities for ground handling compensat for alrelance, melection \$72 rest-Non for horsher equipment, 564.5 ruffles for fighter equipment, and SNA refun for temperat communest. There groups of Ression MiG-15 interceptors have been assessed to

► Presonal to power 500 Aggregate-besit F-66 Subse sisteness with Felfish

with a quantity of high-speed jet interceptate, in still for from dead Sour Postagon source up that if the english could be resprint as fast on the strivence, the problem would be rause of solution. With spore,

(divided 512.5 suffice to the plant). There are still come indicators FUSAF is fatocated to the horsy force peru process become the method can be used to produce in single here pinces, consecuents for

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P Air Fiver place to do \$5.700 regime conducts in its own depate, and

\$71.4 million. In surflowe this cost to Courses. Air Force exhautted costs of three of the mest consensely used contract as \$56,500 for the B-1500-81 read in the B-16 524,900 for the B-350-57 med to the B-25.



These leading U. S. Air Farce PENETRATORS are POWERED by Westinghouse

Being peneryspan, these planes must every est Yells the request fast someone and describibling their power plants Westpolicine is measured priving for lesprovement in jet propolition . . . so provide only the best for the United Strags accord forces it is

Westinghouse GAS TUPRINES

AVIATION WEEK



Races Prove Crowd-Appeal of Air Power

Services' static exhibits and flight displays

push attendance above 200,000 mark. By Fra S. Lee The public was allowed to wal-

mobile devoters of this nation's six money the 24th annual National Air Rases at PRoceds Supplied-The races are there. world's records set and for the fact time A second turn-out of more than 200 end as commend on actival sty defact-

Ar Force Col. Fred J. Assaul. 14. South a North American F.St.E. Salare performance averaged only \$18,000 uph Both runks topped the por some second hold by John Douglin. as the public was in learning it 4a Haviland 105 sciench plane • NSSan Paricketion-Novel and Sight demonstrations by onerer persever! The late Advant? Forcet Shor Sucht from Matter to Detroit Court

connected and deposituted respect two North Americas PSEE Saless Witness of the \$75,000 competition

two dominate truth-downs at Denser . In Lt. William D. Raisley won with m Country's share in the Beadin chri away's to military personnel the cutor verses william orbif community as

to limit at the air base and was distract

feet. All of the Ecodor purpolences

It was held by Max Version Ford-

* Allees Tooky Recr-For: Equality

Thenderets competed to the

leaded his P64 on triced with a the of America Ten. records with a P-Continental Tumbs Roce-Midget range place event for election must and Other prints in the Bendry, in order 19 pers ly May Gilbert A Pelerson (F-54, 5 he 46 min.) Cast Thomas V. Gibros, minner a PStatic Exhibit-Mery of the seconds

had less than 25 gal, when he touched After the mer. Compton sold that As Forz Shitz relates included most of his transcontinental first had When the plant uncertained the usual rings of the Societ B-47 usual

F2H-1 Europes at fighter. The FSF as up to about 45,000 ft before level Considerable interest was revised to

Precisid C119. The YC122 was then cut loose from the reother pleas, cut as the trees refeel out of the C-122 Nav showed Leekhood PTV Nep time, Gramman Fiff Berent Lockheel Construers Martin AM-1 Medica

> With the premier of motor New before particularly with the delivery and Boson D 52 eventwice at bomb



day by Call Paul Tibbets, pilot of

World War II from

While no tentes acceptate manual





at the 1941 Natural for East was drawn. Arrely safe a small to place from latered gainst it particularly saided for the new



Four-Place Helioplane Shown at Races

Unbersided debut view with mideet racces. By Alexander McSarely

Detail-A frushout sport on the · Watie abov. pleaa Sanctistae facilities machanin . Sharan, obstorely bronders and

Then, to this appeared, see can odd more by all than the old rollers of

Ir W D Dudo: THAT SHIT! Le look Kore is Fifth SILES Rose (100 Mometer (SI 14 ma) closed. Col First I. Arcon F40E 613 676

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by Fraf. Otto Koppen of Massachusetts. and propelly combination and to much some neterpated undestral and exhiters recomments. Bolliness told Assertion rat use of a readily avoidable entrage

National Air Race Results

Bendix Trouby Jet Bree Triumb AFR, Musse, Calif. to Dr. Chicago-Dotron Jet Speed Run Col E K Compton FSSA 55175 Col E S Dave - Fine 55556 Affinen Troubs: let Bacc.

Dark Clean I Nach. Confinental Motors Traphy (10 hp midget phase, firing \$5 has of National Prevelope Incoming

John L. Nilso, Care Sentue, On-

Among 1951 Continental Trophy Entries

















No. 9 ("Maneer"), plot. No. Mosc.

No. 15, point, Joe Margano



No. 17, pilot, Bob Reckington. ASSATION WEEK, Assett 27, 1951

Exempition of the experimental Greens at Debott showed at his the P Configurated Recognises property of

constant by Cartinosti Motors on F.M. et Schlec's compa florand Over, my specifier advance in mend out on talent and the rote landed in Veteras school teschergulet Sel sester (Steve) Wittman, of Dukkosk,

Merger Move Seen For NAA, NAC Most unconventional radget plane and a suglewheel landing gen, fin

potate with a mailor NAC conceilter a 1945... H. Schoon was with 540 awages excutive, was elected periodest

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Faster Write-Offs Of Planes Sought

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America Arbees' and Trans World Drymon of Defeate Evapous of DPA planes at DPA, now Commence in talking eats the other live suitmen Consecute Underscontary Delos

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> a cortificate permittian five-corr meteod · Conting American's application

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KYIKTION WILL Assur II, 1991

CAR Review

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restricted of actual sighter operation." ALPA stated "D to highly unselected

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on place ble the Stationist, Mar-tic 162, DC4B and object. The gange is the best way to spot power realing. But some domestic nation CAA missied speciest in poscounting that the BMEP runes un't of on the speake pushters menteled present going Philes were The street CAK review is hold to a CAR requiring our of the EMEP est after and to reach some successful cause by all segmen. Nonskeds Boost transport reducts, softer than a low 'Operation Homelift'

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Gent Likes Solines with 12,641,291 a Power Artesianshop. Exercises that say



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Battle Looms on C-46 Load Limits neight is substantially lower than that Plane can be operated safely at 48,000-lb. zross, say

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of the C-65 shelty to meet safety to ert Percent and nearly of sidne areaclears Acare Disposed and John Rodger grac performance requestments or to grace lead up to 45,109-th celler blade and increasing each about by the C-16 openess group. Chall percental by the openess property and wider bp each, shortening the Herniton. Stoodayd propellets for better alimb ► CAR Controller-Mon present

C-46 for passengers. CAB would cut their land 4.500 lbs or 20.25 magni-

CAB proposes to write a special

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ANATION WICK Asset 27, 1951

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> There is an acute shorture of skilled oradication washers Present on the

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This program, forming the books for feeture use of recession.

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PRODUCTION ENGINEERING

Experts Tell Why Planes Cost So Much Table 1

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Kindelberger explainthe difference in cost between P.51 and E.06.

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A subcommittee of the Blosse Ap-North American Avestion, Inc. and *Comparative Data - Ecolobergor duted that he thought the best on-

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Table III Engineering personnel required to complete

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Table II

Cost Comparison

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Guided Missiles Division Pendul Alexand Statutes, Payment Rt.



FRICTION-FREE TRANSFER ROTARY TO LINEAR MOTION with Saginaw Ball Bearing Screw Jack

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Write for Supraw's new formal booklet.

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The Flying Red Horse Paces Air Progress!

· Maledad door door with the Weight Boothers. teacher conveites conditions - bather entires back in 1905 - has since flows with leading six

Small wonder leading atrends carrie broblers suprove Mehded Acre . . . why it is found at The makers of Mahifull have been "not from" bumbanks of \$1.5 abstable is developing needback to must progressively



Why Accept **Anything Less?**

AVIATION WEEK, Asset 25, 1991

Here's what SOURCE INSPECTED BONDED STOCK means to you

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e "Old" Way: Taxabers shipped in bulk so you brough your distributor without source learnering. This regulers considerable paper so you can dispose of the material if it becomes "Recess" or "Suspice".

tred, makes possible mixing different troes of festenees and makes insurance. to the assembly lies costly and disse

Favoracce on bulk, when declared receives, little more than scrap value.

The Lamson sounce inspectes sonoto stock way

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2. Purkages plainly labeled with contents . . . size. our number merification, when manufactured and simplified. Withdrawal from muck or sares is suick and sare-no counting our - best on many unit packages or carroon.

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New, anatoroment in quality month You make a mittern. There is no acuse in manne the quality after you much "However, in auralogue, we have no iced to the couldy elective from a all been they will come on general on Planest Person-Kindelberer, non-

"If we want, we are asking for fron-

ed Ryemon please. Though stocks are parrently out of balance from a size standpoint, we can probobly meet most of your requirements. Please extend government entirgs whenever they apply

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Places - Many believable FOR

AIRCRAFT STEEL

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let Fuel Carbon Probed in Tiny Cell

Also, he added, though the wasters

A ten conduction chamber, devel The combustion chamber, a scaled down scrams of a typical combustor resucestant as it event a typical jet Although the primary and to be made



IVAN is watching you

us to a dealine housed Community. Its half more and latter wasserments do There are only 4 million purpy more. It faster all the trees.









Two New Aircraft for French Navy

Lack of patrol, strike planes may be eased by Breggat types.

You new need simult are in the fifty for the French of the cosmit plane of the Louis Respect company reads institute.

The French government for some rises has been severed by the fact of the lack of the lack

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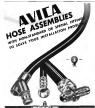
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